

THE BRONX IS BREATHING:

Reimagining a Cleaner Hunts Point



WHAT IS THE PROBLEM?

The Bronx's Hunts Point neighborhood faces two enduring challenges: environmental inequity and economic insecurity. Many of the environmental stressors that Hunts Point's residents face are rooted in its primary economic engine: the Hunts Point Produce Market, which sees upwards of 15,000 truck trips per workday. The tailpipe emissions from these trucks acutely impact local air quality—with elevated rates of asthma plaguing the neighborhood—and contribute to global climate change.

THE BRONX IS BREATHING'S SOLUTION

Thanks to a grant from the New York State Energy Research and Development Authority (NYSERDA), The Bronx is Breathing team will catalyze the adoption of electric trucks in Hunts Point and launch a supportive ecosystem for zero-emission freight in the state's busiest trucking destination. The project's keystone is a new public, multi-user freight charging hub on a former brownfield site, which will also host a worker-owned electric freight start-up and provide charging for new refrigerated EVs for food rescue organization City Harvest. *Learn more about our three-part solution on the reverse side!*

THE BRONX IS BREATHING: BY THE NUMBERS

- 15,000+** FOSSIL-FUEL POWERED TRUCK TRIPS PER WORKDAY
- 13,000+** RESIDENTS LIVING IN THE HUNTS POINT NEIGHBORHOOD
- 8,500+** WORKERS KEEPING THE HUNTS POINT MARKETS RUNNING
- 2.5X** HUNTS POINT RESIDENTS FACE MORE CASES OF ASTHMA COMPARED TO THE REST OF NEW YORK CITY



VOLVO VNR REGIONAL HAUL CLASS-8 TRUCKS LIKE THESE WILL HELP REDUCE EMISSIONS FROM TRUCKING FOOD TO AND FROM HUNTS POINT—MEANING CLEANER AIR FOR RESIDENTS

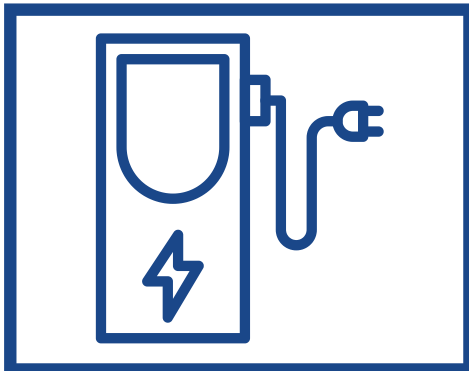


SOLUTION A: THE RECHARGE HUB



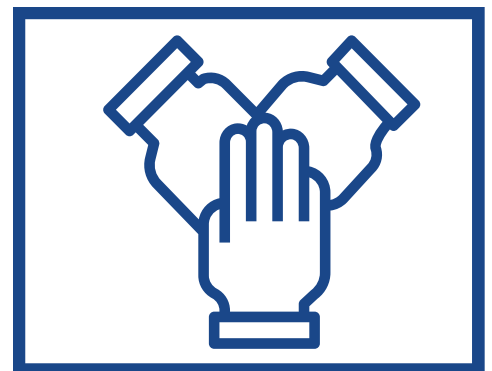
Strategically situated at the corner of Food Center Drive and Halleck Street—the southwest entrance to the Food Distribution Center—is the Recharge Hub. When completed, the publicly accessible hub will feature direct current fast charging (DCFC) for up to 32 Class 8 trucks and up to 18 medium duty trucks and light duty vehicles, as well as solar canopies for a 1.5 MW community solar initiative, outdoor space for drivers, and an approximately 4,500 square foot multi-purpose amenity space. This space will incorporate design features to recharge drivers while they charge their vehicles, including bathrooms, healthy food and beverage options, adjoining outdoor green space, and a prayer and meditation room.

SOLUTION B: COOPERATIVE OWNERSHIP OF ELECTRIC TRUCKS



The Electric Truckers Cooperative (ETC) is a new worker-owned zero emission logistics firm developed by the 6,700 member Drivers Cooperative. The ETC changes the value proposition for independent truckers in the South Bronx and lowers barriers to entry for local owner-operators seeking to adopt zero-emission trucks. The ETC's launch will be enabled by the integration of 4 Volvo Class 7 VNRe straight trucks, including 2 equipped with battery-electric refrigeration units, and 1 Mack LR Electric Sanitation Truck—all at no cost to the start-up itself. The ETC solution will provide an opportunity for Hunts Point residents and current rideshare drivers to earn higher pay as CDL drivers.

SOLUTION C: REFRIGERATED BATTERY ELECTRIC FLEET



As a Bronx is Breathing deployment partner, City Harvest will be the first New York fleet to integrate battery electric refrigerated Volvo trucks (eTRUs) into its operations. City Harvest will deploy four Volvo electric VNRs for its Hunts Point fleet, modeling both zero emission freight and refrigeration for other local distribution fleets. In conventional food delivery trucks, refrigeration is supplied by compressors that are powered by an alternator connected to a truck's gasoline or diesel engine; the City Harvest eTRUs will offset an estimated 17.9 tons of CO2 during their first year, as well as hundreds of pounds of NOx, particulate matter, and other local air pollutants.

BRONX IS BREATHING PROJECT PARTNERS

